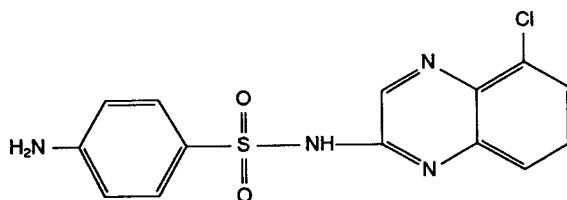


CHLOROSULFAQUINOXALINE

NSC - 339004



Chemical Name:

4-Amino-*N*-[5-chloro-2-quinoxaliny]benzenesulfonamide

Other Names:

Chloroquinoxaline; CSQ

CAS Registry Number: 97919-22-7

Molecular Formula: C₁₄H₁₁ClN₄O₂S

M.W.: 334.8

Approximate Solubility:

(mg/mL)

H ₂ O	< 1
pH 4 Acetate buffer	< 1
pH 9 Carbonate buffer	10 - 12
0.1 N HCl	< 1
0.1N NaOH	≈ 25 - 30
MeOH	5 - 7
EtOH (95%)	4 - 6
DMSO	> 50

Stability:**Bulk:**

The compound is stable at room temperature and ordinary laboratory illumination for at least 90 days. In a capped glass vial and heated at 50 °C, the compound is stable for at least 90 days (HPLC).

Solution:

Dilute solutions (0.8 mg/mL) in 50% DMSO were stable for up to 72 hours (UV).

Ultraviolet Absorption:

λ_{max}	ϵ
339 \pm 2 nm	5,820 \pm 300
269 \pm 2 nm	26,730 \pm 1,200
255 \pm 2 nm	31,000 \pm 2,200

High Performance Liquid Chromatography:

Column:	Alltech Econosphere C ₁₈ , 5 μ , 250 x 4.6 mm i.d.
Mobile Phase:	CH ₃ CN/water containing 0.005 M heptanesulfonic acid and sulfuric acid to adjust pH to 3.0, 30/70, v/v.
Flow Rate:	1.0 mL/min
Detection:	UV at 254 nm

Sample Preparation: 0.08 mg/mL in CH₃CN

Internal Standard: Propriophenone, 0.1 mg/mL

Retention Volume: 15.8 mL (NSC-339004)
18.2 mL (I.S.)